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★FOX B T01 T06 2001-090964/10 ★WO 200070531-A2
Process control system configuring apparatus used in manufacturing sec-
tors, maintains record of changes made to model representing configura-
tion of controlling and controlled system - (Eng)
FOXBORO CO 1999.11.23 1999US-448845 (1999.05.17 1999US-
134597)

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GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ
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1999.11.23 1999US-448223 1999.11.23 1999US-448374

NOVELTY - A configuration apparatus has a model representing configu-
ration of at least a control system and system which is controlled by con-
trol system. The apparatus maintains a record of changes made to model
or to at least one of the configuration represented by the model. The model
is composed of multiple objects that represent entities within the control-
ling system or the controlled system.

DETAILED DESCRIPTION - The objects represent field devices, control
devices, control processors, blocks, loops, object type categories, ob-
ject connections, parameter connection display placeholders, graphical dis-
play entities and reports. The configuration apparatus comprises multiple
versions such as current version, prior historical version, offline version
and online version of the objects. An INDEPENDENT CLAIM is also
included for control system configuring method.

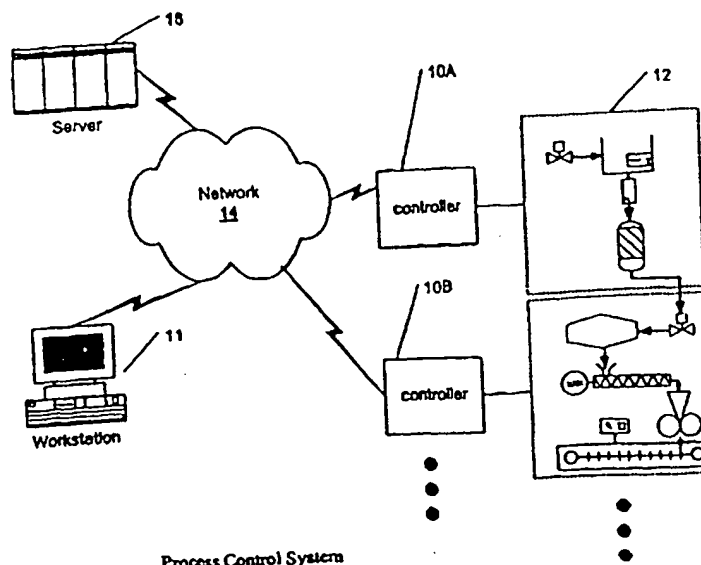
USE - For use in manufacturing sector for process, repetitive and dis-
crete manufactures. Also used widely in utility and other service industries.
For environmental controls used in residential, commercial, institutional
and industrial settings and for control used in article manufacture from
toasters to aircraft.

ADVANTAGE - Tracing of genealogy of objects forward and back-
ward entirely which represents each object's life cycle is permitted. Ne-
cessity for updating references to an object, while editing the object each
time, is eliminated. Since online version of object is updated for corre-
spondence with new version of offline object, online and offline databases
are synchronized.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic
view of digital data processing apparatus of process control system. (369pp

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T06-A07B



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